

Citrix NetScaler

Centrally manage your app and service traffic with Citrix NetScaler Load Balancer, offering high availability, advanced security, and maximum performance criteria.

System Capabilities

Citrix NetScaler Load Balancer is an advanced application delivery solution that enables the management of corporate application, web service, and critical system traffic in line with high availability, performance, and security criteria. Operating in physical, virtual, and cloud environments, the appliance distributes incoming user traffic among backend servers using intelligent load balancing algorithms, thereby increasing system continuity and resource efficiency. Thanks to features such as SSL offloading, Layer 4/Layer 7 traffic management, Web Application Firewall (WAF), health checks, failover, and advanced access policies, it provides both performance optimization and centralized security management. It offers an effective solution tailored to uninterrupted access and scalable architecture needs, especially in high-traffic web applications, data centers, ERP/CRM systems, API services, and critical corporate infrastructures.

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What Problems Does It Solve?
- Server load imbalance and performance problems
 - Service interruptions and accessibility issues
 - Application slowdowns caused by heavy traffic
 - Lack of centralized security and traffic management

Technical Specifications

Advanced Traffic Management

- ✓ Load balancing support at Layer 4 and Layer 7 levels
- ✓ Intelligent traffic routing and policy-based control
- ✓ Performance optimization with SSL/TLS offloading
- ✓ Session persistence and connection management support

High Availability

- ✓ Active-Active and Active-Passive HA architectures
- ✓ Automatic health check and service monitoring mechanism
- ✓ Automatic traffic routing during server failures
- ✓ Uninterrupted maintenance and failover support

Security Features

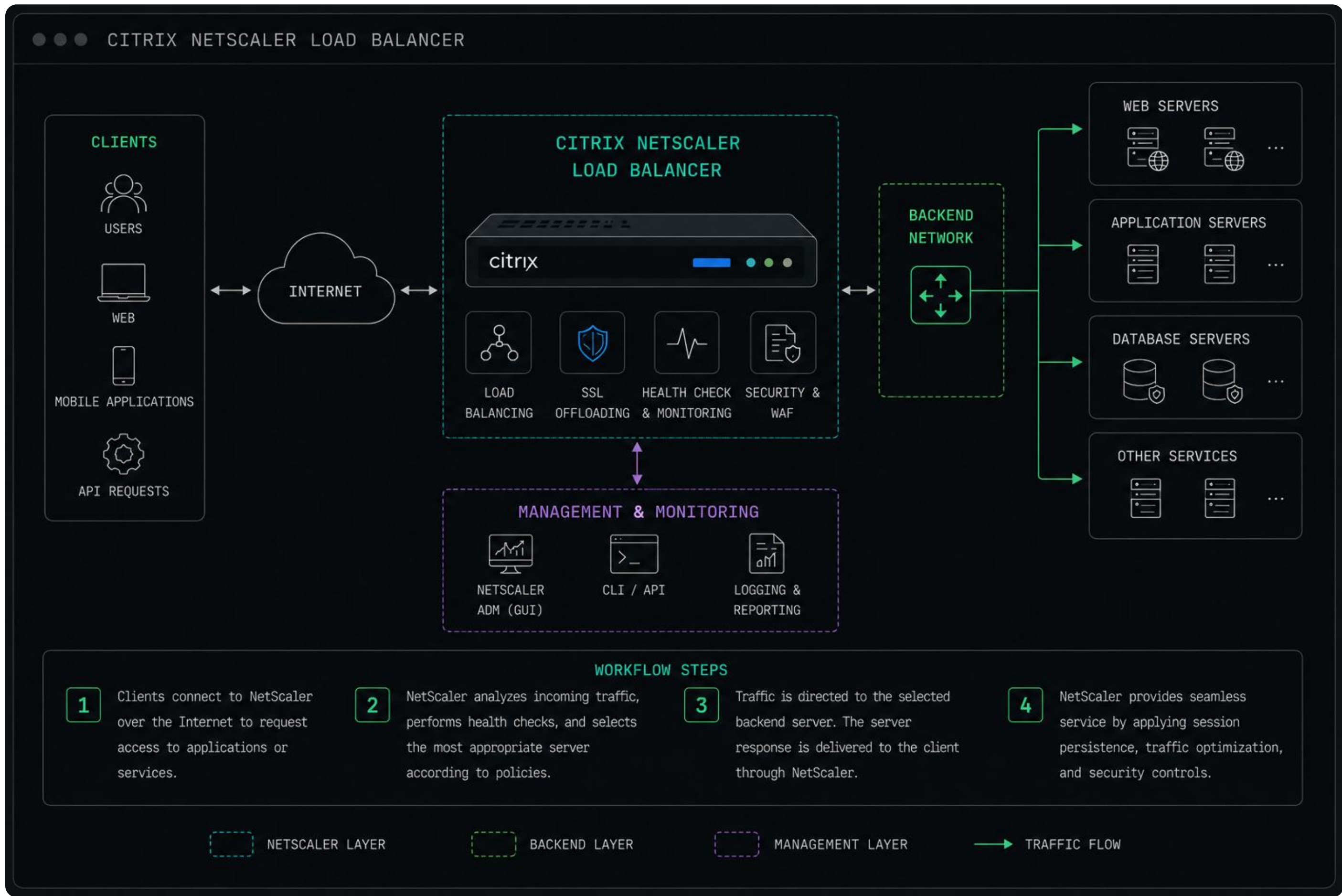
- ✓ Web Application Firewall (WAF) integration
- ✓ DDoS protection and traffic filtering support
- ✓ Secure access and SSL certificate management
- ✓ Advanced access control policies

Performance and Optimization

- ✓ HTTP compression and caching support
- ✓ Traffic acceleration and response optimization
- ✓ Reduction of backend server workload
- ✓ High throughput and low latency architecture

Scalable Infrastructure

- ✓ Physical, virtual, and cloud environment support
- ✓ Compatibility with microservice and container architectures
- ✓ Support for dynamic server addition and removal
- ✓ Flexible architecture suitable for large-scale enterprise structures



Advantages



Advanced Application Level Traffic Management

Application traffic can be managed more flexibly and intelligently thanks to detailed traffic analysis at Layer 7 level and policy-based routing support.



High-Performance SSL Offloading

Reduces the processing load on backend systems and increases application performance by centrally managing SSL/TLS operations.



Integrated Security and WAF Capabilities

Provides protection at the application layer with an integrated Web Application Firewall (WAF) and advanced security policies that reduce additional product dependency.



Flexible and Scalable Architecture

Offers the advantage of rapid scalability and easy management in modern data centers and hybrid infrastructures thanks to its structure compatible with physical, virtual, and cloud environments.